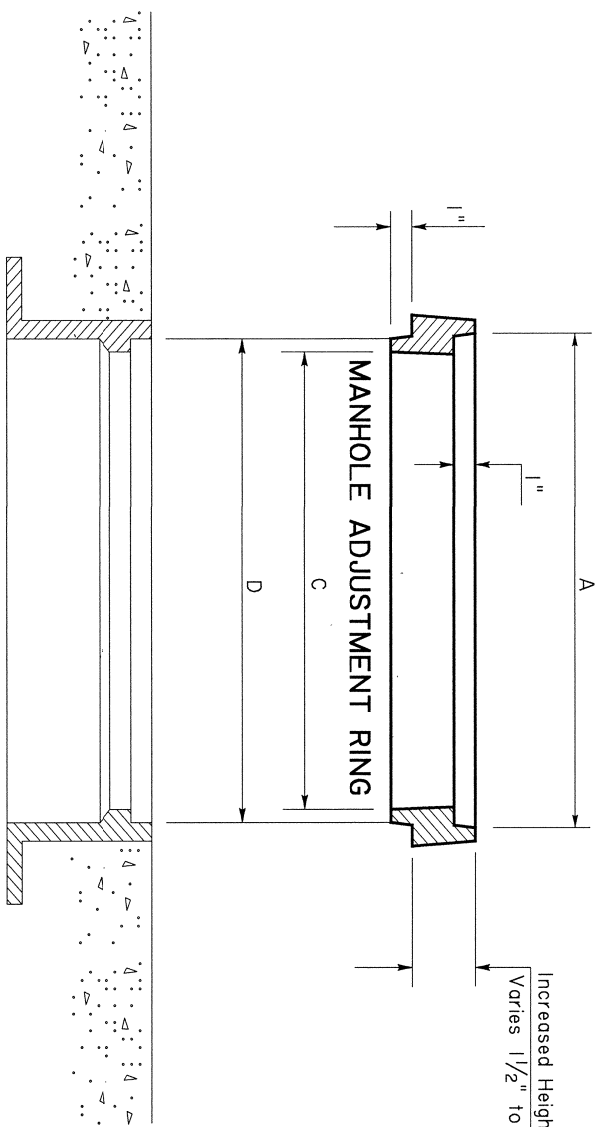


MANHOLE ADJUSTMENT RING



MANHOLE ADJUSTMENT RINGS			
A	C	D	
(IN.)	(IN.)	(IN.)	
23 1/2	22 1/4	23 1/2	
23 3/4	22 1/2	23 3/4	

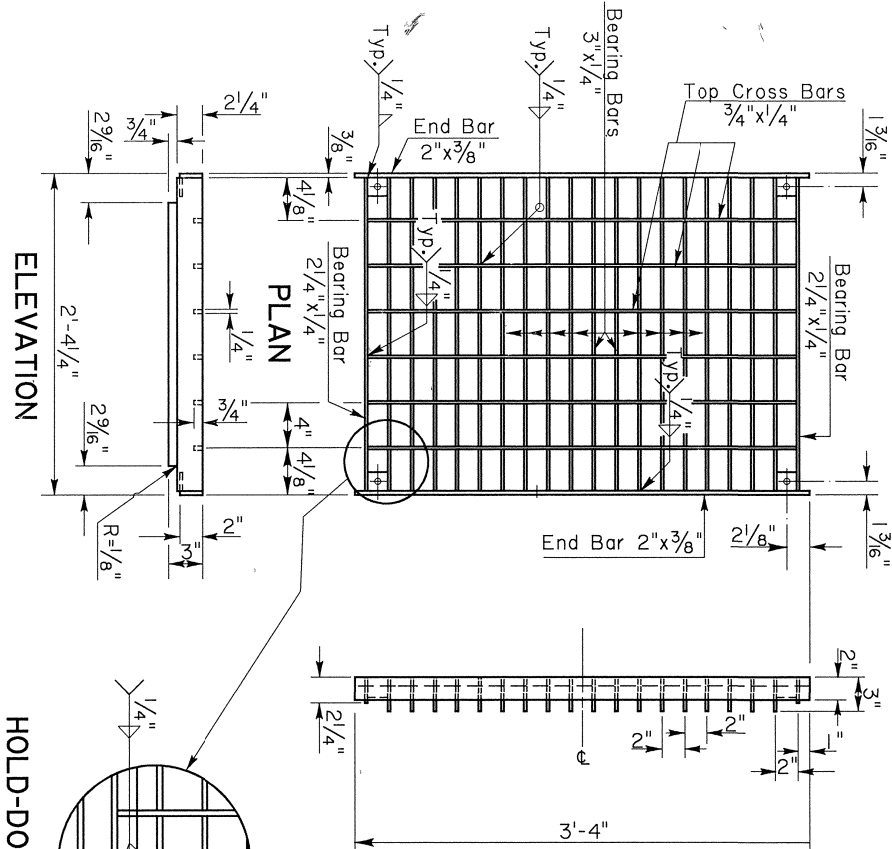
EXISTING GRATE SEAT

TYPE "N"

- Notes:
- Grates to be galvanized after fabrication.
 - Unless otherwise stated, TYPE "E1" Frame is to be used with these grates. (See Sheet 2)
 - Catch basin to be constructed so that bearing bars are parallel to traffic.
 - Supplier of Grate also is to furnish Pre-Fitted Grate Frame.

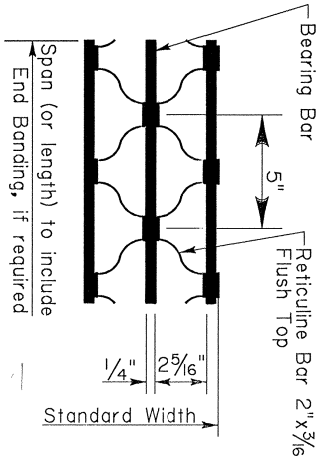
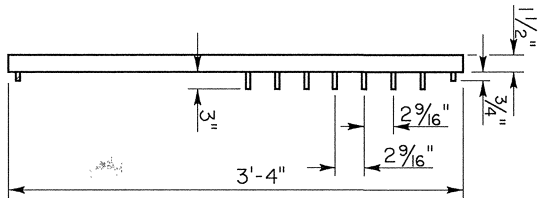
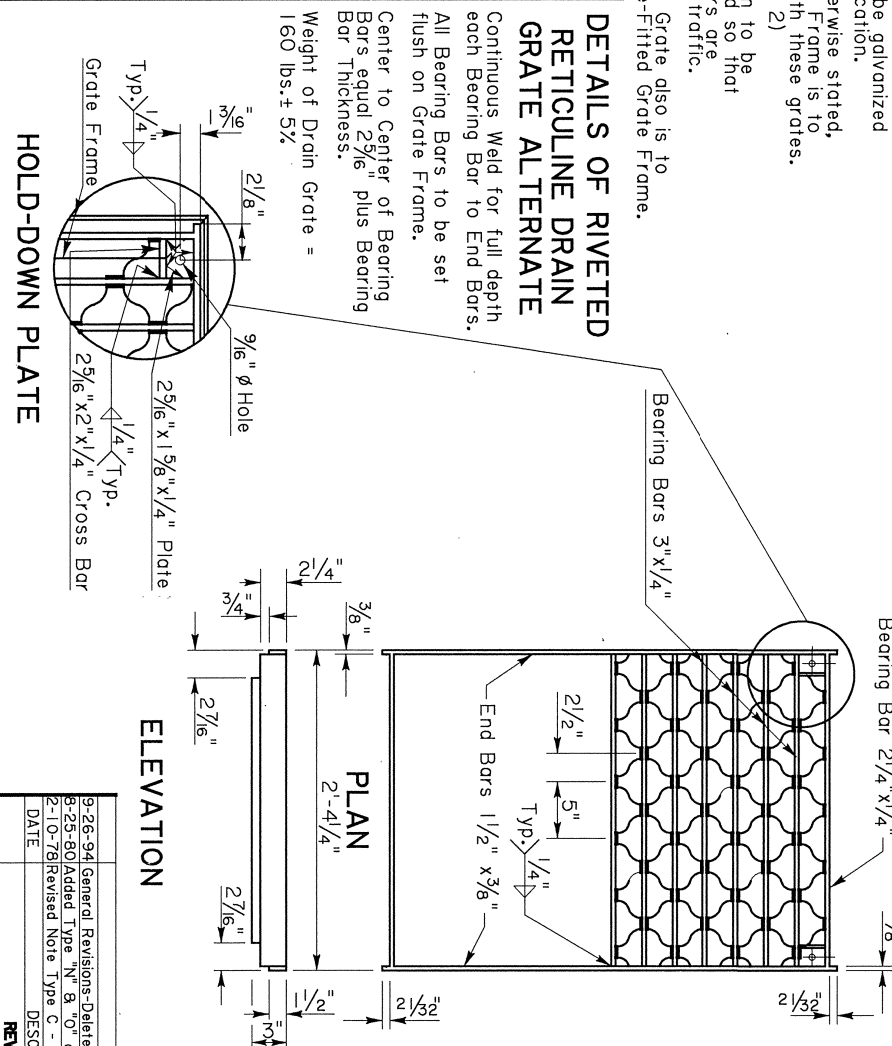
DETAILS OF WELDED & SEALED DRAIN GRATE

Continuous Weld for full depth each Bearing Bar to End Bars and Cross Bars.
All Bearing Bars to be set flush on Grate Frame.
Weight of Drain Grate = 156 lbs.± 5%



DETAILS OF RIVETED RETICULINE DRAIN GRATE ALTERNATE

Continuous Weld for full depth each Bearing Bar to End Bars. All Bearing Bars to be set flush on Grate Frame.
Center to Center of Bearing Bars equal 29/16" plus Bearing Bar Thickness.
Weight of Drain Grate = 160 lbs.± 5%



DRAIN GRATE DETAIL

DETAILS OF GRATES, GRATE FRAMES AND COVERS FOR CATCH BASINS AND MANHOLES

DATED AUG. 15, 1977

STATE OF LOUISIANA

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DESIGNED BY WTJ
CHECKED BY WTJ
APPROVED BY CHIEF ENGINEER Original Signed by Chief Engineer

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